

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): An antenna for transmitting a radio frequency signal, comprising:

a first electrically conductive ~~sheet~~ member;

a second electrically conductive ~~sheet~~ member spaced a first distance apart from said first ~~metallic sheet~~ electronically conductive member; and

an axially extending leg electrically connected to said first electrically conductive ~~sheet~~ member and said second electrically conductive ~~sheet~~ member, said axially extending leg being electrically conductive; and

a metallic cup electronically coupled to said first electronically conductive member.

Claim 2 (Currently Amended): An antenna as claimed in claim 1, wherein said first electrically conductive ~~sheet~~ member, said second electrically conductive ~~sheet~~ member, and said axially extending leg are made of metal.

Claim 3 (Currently Amended): An antenna as claimed in claim 1, wherein said first electrically conductive ~~sheet~~ member, said second electrically conductive ~~sheet~~ member, and said axially extending member are made from a unitary sheet of metal.

Claim 4 (Currently Amended): An antenna as claimed in claim 1, wherein said first electrically conductive ~~sheet~~ member has a first arcuate-shaped outer edge and said second electrically conductive ~~sheet~~ member has a second arcuate-shaped outer edge wherein said axially extending member extends from said first arcuate-shaped outer edge to said second arcuate-shaped outer edge.

Claim 5 (Original): An antenna as claimed in claim 4, wherein said first arcuate-shaped outer edge has a first radius extending from a first center point and said second arcuate-shaped outer edge has a second radius extending from a second center point.

Claim 6 (Currently Amended): An antenna as claimed in claim 5, wherein the first center point and the second center point are contained on a centerline, and said first electrically

conductive ~~sheet-member~~ and said second electrically conductive ~~sheet-member~~ are contained in a first plane and a second plane wherein the first plane is parallel to the second plane and the centerline is normal to the first plane and the second plane.

Claim 7 (Currently Amended): An antenna as claimed in claim 6, wherein said first electrically conductive ~~sheet-member~~ has a first surface area and said second electrically conductive ~~sheet-member~~ has a second surface area, wherein said first surface area is greater than the second surface area.

Claim 8 (Currently Amended): An antenna as claimed in claim 7, wherein said first electrically conductive ~~sheet-member~~ and said second electrically conductive ~~sheet-member~~ include cut-out sections.

Claim 9 (Currently Amended): An antenna as claimed in claim 1, further comprising a cable electrically coupled to said first electrically conductive ~~sheet-member~~ and said second electrically conductive ~~sheet-member~~.

Claim 10 (Original): An antenna as claimed in claim 9, wherein said cable is coaxial cable.

Claim 11 (Currently Amended): An antenna as claimed in claim 1, wherein said first electrically conductive ~~sheet-member~~ is spaced apart a distance from said second electrically conductive ~~sheet-member~~ and is approximately equal to or a multiple of a wavelength distance of the frequency transmitted from said antenna.

Claim 12 (Original): An antenna as claimed in claim 11, wherein said axially extending leg has a length equal to the spaced apart distance.

Claim 13 (Cancelled)

Claim 14 (Currently Amended): An antenna as claimed in claim ~~13~~¹, wherein said cup includes an opened top structure having a cylindrically-shaped sidewall attached to a bottom wall.

Claim 15 (Original): An antenna as claimed in claim 14, wherein a portion of said bottom wall slopes away from the open top portion toward a central axial axis passing through said cup.

Claim 16 (Original): An antenna as claimed in claim 15, wherein said portion of said bottom wall is frusta-conical in shape.

Claim 17 (Original): An antenna as claimed in claim 16, wherein said bottom wall further includes a central flat portion connected to an end of the frusta-conical shaped portion.

Claim 18 (Original): An antenna as claimed in claim 17, wherein said central flat portion is circular in shape.

Claim 19 (Currently Amended): An antenna as claimed in claim 14, wherein said first electrically conductive ~~sheet~~member comprises a tab extending therefrom contacting said cup.

Claim 20 (Currently Amended): An antenna as claimed in claim 14, wherein said first electrically conductive ~~sheet~~member is spaced a second distance from said bottom wall.

Claim 21 (Original): An antenna as claimed in claim 20, wherein the second distance is approximately equal to or a multiple of a wavelength distance of the frequency to be transmitted from the antenna.

Claim 22 (Currently Amended): An antenna as claimed in claim 1, further comprising a mechanical register at least partially received between said first conductive ~~sheet~~member and said second conductive ~~sheet~~member.

Claim 23 (Currently Amended): An antenna as claimed in claim 1, further comprising an electrical frequency generator electrically coupled to said first electrically conductive ~~sheet~~member.

Claim 24 (Currently Amended): An antenna as claimed in claim 23, wherein said frequency generator is electrically coupled to a coaxial cable which is electrically coupled to said first electrically conductive ~~sheet~~member.

Claim 25 (Original): An antenna as claimed in claim 23, further comprising a power source electrically coupled to said frequency generator.

Claim 26 (Original): An antenna as claimed in claim 25, wherein said power source is a battery.

Claim 27 (Original): An antenna as claimed in claim 23, further comprising a circuit board that includes said frequency generator, said circuit board attached to said first electrically conductive sheet.

Claim 28 (Currently Amended): An antenna as claimed in claim ~~43~~1, further comprising a metallic meter case, said metallic cup received within said metallic meter case.

Claims 29-65 (Canceled)

Claim 66 (New): An antenna as claimed in claim 1, wherein one of said first electrically conductive member and said second electrically conductive member is an electrically conductive sheet.

Claim 67 (New): An antenna as claimed in claim 1, wherein said first electrically conductive member and said second electrically conductive member are electrically conductive sheets.

Claim 68 (New): An antenna for transmitting a radio frequency signal, comprising:

- a first electrically conductive member;

- a second electrically conductive member spaced a first distance apart from said first electrically conductive member, said first conductive member contained in a first plane and said second conductive member contained in a second plane;

- an axially extending leg electrically connected to said first electrically conductive member and said second electrically conductive member, said axially extending leg being electrically conductive; and

- a mechanical register at least partially received between said first conductive member and said second conductive member in an area defined between the first plane and the second plane.

Claim 69 (New): An antenna as claimed in claim 68, wherein one of said first electrically conductive member and said second electrically conductive member is an electrically conductive sheet.

Claim 70 (New): An antenna as claimed in claim 68, wherein said first electrically conductive member and said second electrically conductive member are electrically conductive sheets.